

GENERAL INFORMATION

Starting on page 1 is a list of pay items that allow the use of decimals in final project quantities.

Starting on page 2 is a list of the last three digits (YYY) of non-standard pay items and units that will be used in all pay items.

Starting on page 3 is a list of units and abbreviations that will be used in all pay items.

Also starting on page 3 is a list of descriptions and abbreviations that will be used in all pay items.

If errors or omissions are discovered in this document, please contact the Specifications and Estimates Unit at Preconstruction-Admin@michigan.gov or 517-335-4516.

PAY ITEM DESCRIPTIONS

The pay item descriptions are worded to make the first word of the description the most important, descriptive word in the description. Numbers describing class, type, weight, size, etc., will usually appear near the end of the description.

NON-STANDARD PAY ITEMS

Pay items that are not covered in the Standard Specifications for Construction Book will be identified by an "SP Code" in the column titled "SP Required". When these items are called for in the Schedule of Items in the proposal, there will be a Special Provision or Supplemental Specification included in the proposal describing the work involved, the method and unit of measure, and the basis of payment.

MDOT uses the AASHTOWare estimating and bid letting software module, Preconstruction. Within Preconstruction, pay item numbers for unique (non-standard) pay items should not have a standard pay item number.

Unique pay item numbers depend on the pay units. Unique pay item numbers will be assigned to each section of the Standard Specification for Construction Book for each pay unit that is likely to be used in that section.

USE OF DECIMALS IN FINAL PROJECT QUANTITIES

Most pay items require quantities to be rounded up to the nearest whole number. Exceptions to this rule usually involves very large pay units. The easiest way to do this is to adjust the quantity on one plan sheet to make the total for the project a whole number. The list below includes those exceptions (pay items) that can have decimals out to two places only.

<u>ITEM</u>	<u>UNIT</u>	<u>DESCRIPTION</u>
2010001	Acre	Clearing
2010005	Acre	Thinning, Selective, Type I
2010006	Acre	Thinning, Selective, Type II
2070002	Acre	Obliterate Old Road
8160095	Acre	Weed Control

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<u>ITEM</u>	<u>UNIT</u>	<u>DESCRIPTION</u>
8170000	Acre	Mowing
5020003	Lnmi	Overband Crack Fill, Lane
5020004	Lnmi	Overband Crack Fill, Ramp
5020005	Lnmi	HMA Crack Treatment, Lane
5020006	Lnmi	HMA Crack Treatment, Ramp
5020027	Lnmi	HMA Crack Treatment, Lane, Warranty
5020028	Lnmi	HMA Crack Treatment, Ramp, Warranty

The following format will be used for all pay items to designate unique miscellaneous pay items.

<u>ITEM</u>	<u>UNIT</u>	<u>DESCRIPTION</u>
"XXX7YYY"	"Unit"	"_____"

"XXX" designates the section of the Standard Specifications for Construction Book.

"7" designates that the pay item number is a unique miscellaneous pay item.

"YYY" is a number designated to the pay unit.

"Unit" is the unit of measurement and payment.

"_____" is the pay item description.

The following is a list of the last three digits (YYY) of the unique miscellaneous pay item numbers and their pay units that will be used for all pay items.

<u>YYY</u>	<u>UNIT</u>
001	Foot
002	Station
003	Mile
004	Lane Mile
007	Inch
008	Square Inch
010	Square Foot
011	Square Yard
012	Acre
020	Cubic Foot
021	Cubic Yard
022	Gallon
023	Thousand Board Foot
030	Pound
031	Ton
040	Hour
041	Calendar Day
042	Work Day
043	Month
044	Week
050	Each

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<u>YYY</u>	<u>UNIT</u>
051	Lump Sum
052	Unit
054	Intersection
055	Set
060	Dollar

For example, pay item number 8027001 would be a miscellaneous item in Section 802, Concrete Curb, Gutter, and Dividers, with a unit of measure of a Foot.

The following is a list of the units and abbreviations that will be used for all pay items.

<u>UNIT</u>	<u>ABBREVIATION</u>
Acre	Acre
Calendar Day	Cday
Cubic Foot	Cft
Cubic Yard	Cyd
Dollar	Dlr
Each	Ea
Foot	Ft
Gallon	Gal
Hour	Hr
Inch	Inch
Intersection	Intr
Lane Mile	Lnmi
Lump Sum	LSUM
Mile	Mi
Month	Mo
Pound	Lb
Set	Set
Square Foot	Sft
Square Inch	Sin
Square Yard	Syd
Station	Sta
Thousand Board Foot	MBM
Ton	Ton
Unit	Unit
Week	Wk
Work Day	Wday

The following is a list of descriptions and abbreviations that will be used in all pay items. If the wording listed below under description is part of a committee, organization or authority title, the wording will not be abbreviated.

<u>DESCRIPTION</u>	<u>ABBREVIATION</u>
Additional	Add
Adjust	Adj
Advanced Transportation Controller	ATC
Alternate Technical Concept	ATC

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<u>DESCRIPTION</u>	<u>ABBREVIATION</u>
Aluminum	Alum
Aluminum Conductor Steel Reinforced	ACSR
American Telephone & Telegraph	AT&T
Ampere	AMP
Anchorage	Anch
Basalt Fiber Reinforced Polymer	BFRP
Carbon Fiber Composite Cable	CFCC
Cast-in-Place	CIP
Category	Cat
Compacted in Place	CIP
Class	Cl
Combination	Comb
Communication	Commun
Concrete	Conc
Conductor	/C
Container	cont
Corrugated	Corr
Corrugated Polyethylene Pipe	CPE
Corrugated Steel Pipe	CSP
Course	Cse
Culvert	Culv
Detail	Det
Diameter	dia
Direct Burial	DB
Dismantle	Disman
Drainage	Dr
Ductile Iron	DI
Electrical	Elec
Elliptical	Ellip
Environmental Sensor Station	ESS
Experimental Polyaspartic System	ExPAS
Fabricate	Fab
Figure	Fig
Flashing	Flsh
Flashing Yellow Arrow	FYA
Foundation	Fdn
Fourth	4th
Furnish(ed)	Furn
Galvanize	Galv
Generation	G
Handhole	Hh
Hazardous	Haz
High-Bred Poplar	HBP
High Density Polyethylene	HDPE
Hot Mixed Asphalt	HMA
Intelligent Transportation System	ITS
Interconnect	Intercn
Kilovolt	kV

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<u>DESCRIPTION</u>	<u>ABBREVIATION</u>
Latex Modified	LM
Left	Lt
Left Turn Green Arrow	LTGA
Light Emitting Diode	LED
Lighting	Ltg
Load Factor Design	LFD
Load Resistance Factor Design	LRFD
Longitudinal	Longit
Loose Measure	LM
Low Volume Superpave	LVSP
Manhole	Mh
Marking	Mrkg
Maximum	Max
Miles per Hour	MPH
Millimeter	mm
Minimum	Min
Miscellaneous	Misc
Mount(ed)	Mtd
Multiple	Mult
National Electrical Manufacturers' Association	NEMA
National Transportation Communications for Intelligent Transportation Systems Protocol	NTCIP
Nonreinforced	Nonreinf
Non-Removable	NR
Number	No.
Operate(d)	Oper
Overlay	Ovly
Pavement	Pavt
Permanent Traffic Recorder	PTR
Plastic Jacket	PJ
Polyvinyl Chloride	PVC
Portable Traffic Signal	PTS
Prefabricated Drainage System	PDS
Prestressed	Prest
Primary	Prim
Public Rights of Way Accessibility Guidelines	PROWAG
Reconstruct	Reconst
Reinforced	Reinf
Removable	R
Remove/Removal	Rem
Repair	Repr
Retroreflectant	Retrflec
Right	Rt
Right Turn Green Arrow	RTGA
Salvage(d)	Salv
Second	2nd
Secondary	Sec
Section	Sect

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<u>DESCRIPTION</u>	<u>ABBREVIATION</u>
Service	Serv
Shoulder	Shld
Sloped	Slp
Special	Spec
Standard	Std
Standard Green Arrow	STGA
Street	St
Structural Plate	Str Plate
Symbol	Sym
Temporary	Temp
Thermoplastic	Thermopl
Time Base Controller	TBC
Traffic	Traf
Traffic Signal	TS
Transverse	Transv
Trench Detail	Tr Det
Volt	V
Watt	W
Wireless Fidelity	Wi-Fi